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The following items were faxed by me to the USPTO at 571-273-8300 on July 15, 2006 for Application No.: 10/037,718, Art Unit 1637, Examiner: Horlick, K.

- A) Supplemental Amendment to the Specification, 7 pages
- B) Enclosures: 1) Gyapay, et. al. (1994) Nature Genetics, 7: pp. 248-249,
- 2) Schuster, H. et al (1995) Nature Genetics, 13(1), p. 100, 3 pages
- C) This Certificate of Fax Transmission, 1 page

Total of 11 pages

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Robert O. McGinnis, Reg. No. 44, 232 July 15, 2006 1575 West Kagy Blvd. Bozeman, MT. 59715 tel (406)-522-9355

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Supplemental Amendment of the Specification for application 10/037, 718 Applicants MCGINNIS ET AL. July 15, 2006 (fax submission to 571-273-8300)

Total of 7 pages

Supplemental Amendment to the Specification

From: Robert McGinnis 406-522-9355

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ralph Evan McGinnis and Robert Owen McGinnis

Application No.: 10/037,718

Filed: 01/04/2002

Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND RELATED

INVENTIONS

Art Unit 1637

Examiner: Horlick, K.

Honorable Commissioner for Patents Submitted by fax to 571-273-8300

SUPPLEMENTAL AMENDMENT TO THE SPECIFICATION

Sir:

This Supplemental Amendment follows an Amendment/Response filed on Tuesday, 5/30/2006. The Amendment/Response of 5/30/2006 responded to each point of rejection in the previous Office Action of 12/29/05. This Supplemental Amendment requests some amendments to the Specification.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

Conclusion begins on page 7 of this paper.